



# NSAI

## CERTIFICATE OF CONFORMITY OF THE FACTORY PRODUCTION CONTROL

**0050 - CPR - 0083**

**System 2+**

In compliance with the Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 laying down harmonised conditions for the marketing of construction products and repealing Council Directive 89/106/EEC, it has been stated that the construction product:

**Bituminous Mixtures in accordance with Annex ZA of the following:**

I.S. EN 13108-1	Asphalt Concrete
I.S. EN 13108-2	Asphalt Concrete for Very Thin Layers
I.S. EN 13108-4	Hot Rolled Asphalt
I.S. EN 13108-5	Stone Mastic Asphalt
I.S. EN 13108-7	Porous Asphalt

Placed on the market by:

**Roadstone Ltd  
Carricktwohill  
Co. Cork**

And produced in the factory:

**Roadstone Ltd  
Carricktwohill  
Co. Cork**

is submitted by the manufacturer to the initial type-testing of the product and its factory production control and that the approved body – National Standards Authority of Ireland – has performed the initial inspection of the factory and of the factory production control and performs the continuous surveillance, assessment and approval of the factory production control.

This certificate attests that all provisions concerning the attestation of factory production control described in Annex ZA of the standards listed above were applied.

This certificate was first issued on 23/05/2011 and remains valid as long as the conditions laid down in the harmonised technical specification in reference or the manufacturing conditions in the factory or the FPC itself are not modified significantly.

Signed:



Seán Balfe – Director of Sustainability & the Built Environment

File no: 1.99.044

Approval Date: 23/05/2011

Last amended Date: 03/08/2021

Expiry Date: 31/10/2022

Issued By : NSAI, 1 Swift Square, Northwood Business Park, Santry, Dublin 9.

# DECLARATION OF PERFORMANCE

## Aggregates for use in Bituminous Mixtures and Surface treatments

### Carrigtwohill

**1. Unique identification code of the product type:**

Code	Description	Category
1571002	20/31.5mm	G <sub>C</sub> 85/20
1571034	10/20mm	G <sub>C</sub> 85/20
1572009	6.3/14mm	G <sub>C</sub> 85/20
1572008	4/10mm	G <sub>C</sub> 85/20
1572011	2/6.3mm	G <sub>C</sub> 85/20
1570002	0/4mm (CP)	G <sub>A</sub> 85/G <sub>TC</sub> 20 – G <sub>F</sub> 85

**2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4) of the CPR:**

Production details can be traced via dispatch docket.

**3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:**

I.S. EN 13043: 2013: Aggregates for use in Bituminous Mixtures and Surface treatments  
S.R17: 2002 Guidance on the use of I.S EN 13043

**4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5):**

Roadstone Ltd.  
Fortunestown  
Dublin 24

**5. Not Applicable**

**6. System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V:**

System 4

**7. Notified certification body:**

NSAI (identification No. 050) performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control, and issued the certificate of constancy of conformity of the factory production control.

## 8. Declared Performance

Characteristic	Declared Performance	Harmonised Technical Specification
Apparent Density	2.68Mg/m <sup>3</sup>	I.S. EN 1097
S.S. Dry Density	2.66Mg/m <sup>3</sup>	I.S. EN 1097
Oven Dry Density	2.64Mg/m <sup>3</sup>	I.S. EN 1097
Fines Content (Coarse)	F4	I.S. EN 933-1
Fines Content (Fine)	F16	I.S. EN 933-1
Methylene Blue Value	MB <sub>r</sub> 10	I.S. EN 933-9
Water Absorption	0.5%	I.S. EN 1097
Percentage crushed and broken	C100/0	I.S. EN 933-5
Resistance to fragmentation	LA <sub>30</sub>	I.S. EN 1097-2
Resistance to Polishing Wear/Attrition	PSV <sub>36</sub>	I.S. EN 1097-8
Resistance to Abrasion	AAV <sub>10</sub>	I.S. EN 1097-8 Annex A
Resistance to Wear	M <sub>DE</sub> 25	I.S. EN 1097-1
Resistance to freezing and thawing	MS <sub>18</sub>	I.S. EN 1367-2
Drying Shrinkage	0.03	I.S. EN 1367-4
Chloride Content (Water Soluble)	0.001%	I.S. EN 1744-1
Sulphate Content (Acid Soluble)	AS <.2%	I.S. EN 1744-1
Total Sulphur	TS<1%	I.S. EN 1744-1
Flakiness Index (NA 2/6.3mm&0/4mm)	F <sub>15</sub>	I.S. EN 933-3
Rock Type	Limestone	

9. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8. This declaration of performance is issued under the sole responsibility of Roadstone Ltd.

### Signed for and on behalf of the manufacturer by:

Alan Lowe, Senior Technical Manager, Roadstone Ltd.

(Name and Function)

Belgard, 6/01/2020

(Place and Date of Issue)




(Signature)

# Roadstone Ltd.

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## Material Safety Data Sheet – Hot Bituminous Road Materials

<p>1.(a) <b><u>Identification of Product</u></b></p> <p><b>Hot Bituminous Road Materials</b></p> <p>(b) <b>Name of Company:</b> Roadstone Wood Ltd. Fortunestown, Dublin 24.</p> <p><b>Telephone:</b> (01) 4041200</p> <p>(c) <b>Application:</b></p> <p>Hot bituminous road materials are designed for use in construction and repair of roads and other paved areas. Hot bituminous road materials should be used in accordance with the relevant National and/or European Standards and Codes of Practice.</p> <p>2. <b><u>Composition of Ingredients</u></b></p> <p>Hot bituminous materials are mixtures of heated aggregates and bituminous binders.</p> <p>Hot bituminous material is a black granular material with a temperature up to 200<sup>o</sup> celcius and a density up to about 1.6.</p> <p>3. <b><u>Hazard Identification</u></b></p> <p>The main hazards presented by a hot bituminous road material are associated with the temperature of the mix and/or fumes from the hot binder. Hot bituminous materials may burn skin. Fumes from hot bituminous materials may be a risk to health with prolonged inhalation in confined spaces e.g. tunnels. Adequate ventilation must be provided in enclosed areas.</p>	 <p>4. <b><u>First Aid Measures</u></b></p> <p>First Aid Treatment is as follows:</p> <p>4.1 <b><u>Eye Contact with Hot Material</u></b></p> <p>Immediately wash with cold running water for at least TEN minutes, and seek medical advice.</p> <p>4.2 <b><u>Skin Contact</u></b></p> <p>Remove non-adhering hot mixture and apply cold water to the affected skin. Continue to immerse in cold water until thoroughly cold.</p> <p>No attempt should be made to remove adhering bitumen from the skin, unless under medical supervision.</p> <p>Bitumen will provide a sterile covering until healing occurs, and it will then detach itself after a few days.</p> <p>Medical assistance should be sought without delay.</p> <p>4.3 <b><u>Inhalation of Fumes</u></b></p> <p>Remove person to fresh air and seek medical advice.</p> <p>5. <b><u>Fire Fighting Measures</u></b></p> <p>Where kerosene is used as a cleaning agent take suitable precautions to prevent ignition. Smoking is prohibited.</p>
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### DISCLAIMER

This Material Safety Data Sheet has been prepared by the Irish Concrete Federation in consultation with its members and with technical assistance from the Industry's Safety Committee. Every care has been taken to ensure that the information contained herein is correct and accurate at the date of publication. However, the Irish Concrete Federation Ltd. cannot accept any responsibility or liability for any errors, inaccuracies or omissions which may have occurred inadvertently.

<p><b>6. <u>Accidental Release Measures</u></b></p> <p>6.1 Avoid contact with skin.</p> <p>6.2 Prevent entry into water courses, drains, or other areas where hardened materials cause problems.</p> <p>6.3 Remove product using appropriate equipment.</p> <p><b>7. <u>Handling+</u></b></p> <p>Avoid contact with eyes and skin. Always follow safe lifting and manual handling procedures.</p> <p><b>8. <u>Exposure Controls</u></b></p> <p><b>8.1 <u>Hand Protection</u></b></p> <p>Wear suitable protective gloves.</p> <p><b>8.2 <u>Skin Protection</u></b></p> <p>Avoid contact with skin. Overalls should be worn.</p> <p><b>8.3 <u>Eye Protection</u></b></p> <p>Wear goggles to protect against eye contact from hot bituminous road materials or from flying particles, when cutting hardened material.</p> <p><b>8.4 <u>Masks</u></b></p> <p>Wear appropriate respiratory protection when cutting hardened material.</p> <p><b>8.5 <u>Footwear</u></b></p> <p>Wear heat-resistant footwear and wear suitable gaiters to prevent entry of hot material inside the footwear.</p>	<p><b>9. <u>Physical &amp; Chemical Properties</u></b></p> <p>The binder may be modified and additives used. Polymers and SBS rubber may be used for this purpose. Where fluxing oils or kerosene are used to adjust binder viscosity and setting time take appropriate fire precautions to avoid ignition. Smoking is prohibited.</p> <p><b>10. <u>Stability &amp; Reactivity</u></b></p> <p>Water coming into contact with hot bituminous road materials may give rise to steam leading to a reduction of vision.</p> <p><b>11. <u>Toxicological Information</u></b></p> <p>No risks on observance of safety instructions at <b>6, 7</b> and <b>8</b> above.</p> <p><b>12. <u>Ecological Information</u></b></p> <p>Hardened bituminous road materials have no ecological effect.</p> <p><b>13. <u>Disposal Considerations</u></b></p> <p>Hardened bituminous road materials may be used for construction fill or placed in approved licensed landfill site.</p> <p><b>14. <u>Transport Information</u></b></p> <p>No risk on observance of safety instructions at <b>6, 7</b> and <b>8</b> above. Do not keep other items such as gas bottles in contact with hot bituminous road materials.</p>
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**15. Regulatory Information**

Not applicable.

**16. Other Information**

**Storage**

Some varieties of hot bituminous road materials are supplied as deferred-set mixes having extended working lives, during which the precautions given should be continued. During storage, access to products by unauthorised persons should be prevented. Where storage of materials is necessary in public areas or areas with access by the public, safe storage should be provided which is posted with appropriate safety warning signs.

Once material has cooled and hardened, it presents no particular hazard.

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